

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph on page 1, line 5 with the following amended paragraph:

TECHNICAL FIELD~~FIELD OF THE INVENTION~~

Please replace the paragraph on page 1, line 9 with the following amended paragraph:

BACKGROUND ART~~BACKGROUND OF THE INVENTION~~

Please replace the paragraph on page 3, line 15 with the following amended paragraph:

DISCLOSURE SUMMARY~~SUMMARY OF THE INVENTION~~

Please replace the paragraph on page 17, line 5 with the following amended paragraph:

BEST MODE FOR CARRYING OUT INVENTION~~DETAILED DESCRIPTION OF THE INVENTION~~

Please replace the paragraph on page 17, line 11 with the following amended paragraph:

Referring to Figures 1-3, there is illustrated a dehumidification unit Z_1 formed in accordance with a first embodiment of the present invention. ~~The dehumidification unit Z_1 is the result of the application of inventions as set forth in claim 1, claim 2, claim 5, and claim 8.~~ As shown in Figure 1, the dehumidification unit Z_1 is formed in the following way. A plurality of adsorption elements 1, 1, ... and a plurality of cooling elements 2, 2, ... are laminated sequentially alternately in a 90-degree plane phase. Then, such a laminated body is provided, at its both ends relative to the lamination direction, with end plates 9, 9, as shown in Figure 3. Two end plates 9, 9 are connected together by four frame members 10, 10, ... which are arranged along the four corners of the laminated body, whereby these components are combined into a

single piece. Hereinafter, specific constructions for the adsorption element 1 and the cooling element 2 will be described.

Please replace the paragraph on page 21, line 24 with the following amended paragraph:

In the present embodiment, one of the pair of the side-plate members 12, 12 of the adsorption element 1 that is provided with the separation sheet layer 14 corresponds to the “plate member P”₂ ~~in the claims.~~

Please replace the paragraph on page 22, line 1 with the following amended paragraph:

Referring to Figures 4 and 5, there is illustrated a dehumidification unit Z₂ formed in accordance with a second embodiment of the present invention. ~~The dehumidification unit Z₂ is the result of the application of inventions as set forth in claim 1, claim 2, claim 3, claim 5, and claim 8.~~ As can be seen from Figure 4, the dehumidification unit Z₂ is formed by sequentially alternately laminating a plurality of adsorption elements 1, 1, ... and a plurality of cooling elements 2, 2, ... one upon the other in a 90-degree plane phase. The dehumidification unit Z₂ of the present embodiment is identical in basic construction with the dehumidification unit Z₁ of the first embodiment, with the exception that the adsorption element 1 of the dehumidification unit Z₂ differs in construction from the adsorption element 1 of the dehumidification unit Z₁.

Please replace the paragraph on page 23, line 16 with the following amended paragraph:

Additionally, in the present embodiment the side-plate member 12 of the absorption element 1 and the side-plate member 22 of the cooling element 2 each correspond to the “plate member P”₂ ~~as set forth in the claims.~~

Please replace the paragraph on page 23, line 20 with the following amended paragraph:

Referring to Figures 6 and 7, there is illustrated a dehumidification unit Z_3 formed in accordance with a third embodiment of the present invention. ~~The dehumidification unit Z_3 is the result of the application of inventions as set forth in claim 1, claim 2, claim 5, and claim 8.~~ As shown in Figure 6, the dehumidification unit Z_3 is formed by sequentially alternately laminating a plurality of adsorption elements 1, 1, ... and a plurality of cooling elements 2, 2, ... one upon the other in a 90-degree plane phase. The dehumidification unit Z_3 of the present embodiment is identical in basic construction with the dehumidification unit Z_1 of the first embodiment, with the exception that they differ from each other in construction of the adsorption element 1 as well as in construction of the cooling element 2.

Please replace the paragraph on page 25, line 8 with the following amended paragraph:

Additionally, in the present embodiment, each of the pair of the side-plate members 12, 12 of the adsorption element 1 corresponds to the "plate member P", ~~as set forth in the claims.~~

Please replace the paragraph on page 25, line 12 with the following amended paragraph:

Referring to Figures 8-10, there is illustrated a dehumidification unit Z_4 formed in accordance with a fourth embodiment of the present invention. ~~The dehumidification unit Z_4 is the result of the application of inventions as set forth in claim 1, claim 2, claim 6, and claim 8.~~ As shown in Figure 8, the dehumidification unit Z_4 is formed by sequentially alternately laminating a plurality of adsorption elements 1, 1, ... and a plurality of cooling elements 2, 2, ... one upon the other in a 90-degree plane phase. The dehumidification unit Z_4 of the present embodiment is identical in basic construction with the dehumidification unit Z_3 of the third embodiment, with the exception that they differ from each other in the cooling element's 2 construction.

Please replace the paragraph on page 29, line 15 with the following amended paragraph:

Additionally, in the present embodiment, each of the pair of the side-plate members 16, 16 of the adsorption element 1 corresponds to the “plate member P”, ~~as set forth in the claims.~~

Please replace the paragraph on page 29, line 19 with the following amended paragraph:

Referring to Figures 13-15, there is illustrated a dehumidification unit Z_6 formed in accordance with a sixth embodiment of the present invention. ~~The dehumidification unit Z_6 is the result of the application of inventions as set forth in claim 1, claim 4, and claim 7.~~ As shown in Figure 13, the dehumidification unit Z_6 is formed by sequentially alternately laminating a plurality of adsorption elements 1, 1, ... and a plurality of cooling elements 2, 2, ... one upon the other in a 90-degree plane phase, and by firmly joining together the elements thus laminated by the upper and lower end plates 9, 9 and the four frame members 10, 10,.... The dehumidification unit Z_6 of the present embodiment is similar in basic configuration to the dehumidification unit Z_5 of the fifth embodiment, with the exception that they differ from each other in the cooling element's 2 configuration.

Please replace the paragraph on page 33, line 3 with the following amended paragraph:

Moreover, separation sheet layers 14, 14 (which correspond to the “waterproofing means 14” ~~in the claims~~) are formed on exterior surfaces 12a, 12a of the side-plate members 12, 12, respectively. The separation sheet layer 14 is provided so that, when the dehumidification unit is formed by arranging the cooling element 2 on each side of the adsorption element 1 in a face-to-face manner, it is possible to secure the seal properties between the adsorption element 1 and each cooling element 2. In the present embodiment, the separation sheet layer 14 is formed by attachment of a plastic film to the exterior surface 12a of the side-plate member 12, by application of an organic binder, such as aqueous urethane resin etcetera, to the exterior surface

12a, or by vapor deposition of a metallic material of high heat transfer rate (for example, aluminum, copper etcetera) on the exterior surface **12a**.